

FIG. 1

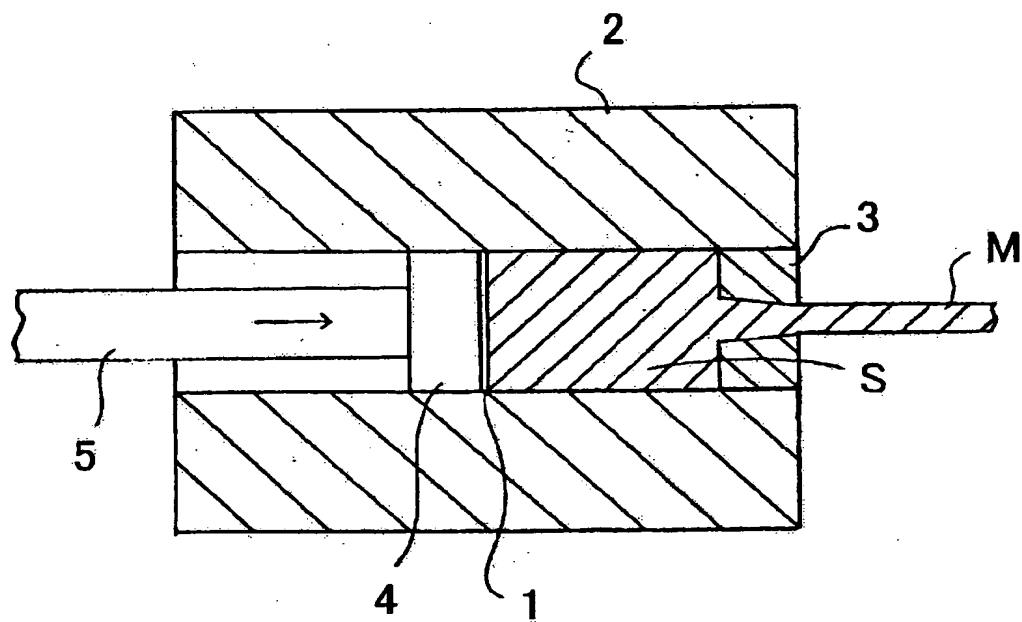
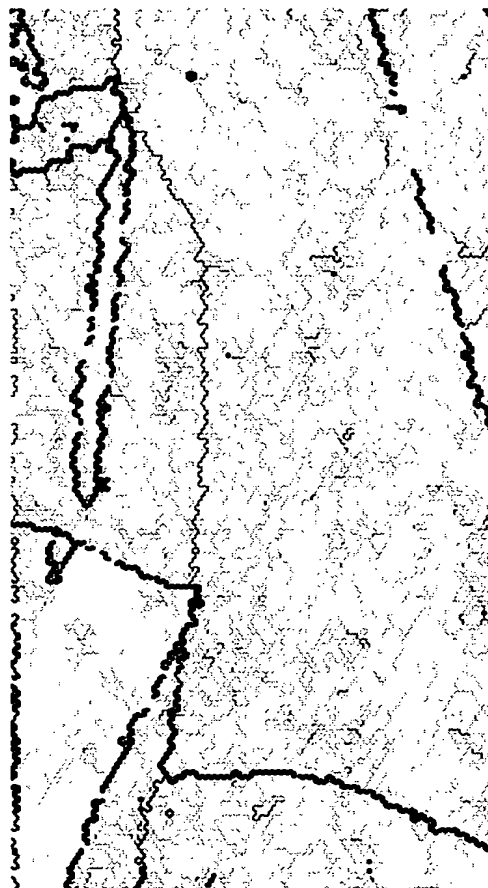


FIG. 2A



35.00  $\mu\text{m}$  = 70 steps

FIG. 2B



7.50  $\mu\text{m}$  = 15 steps

PRIOR TO PROCESSING  
(FIG. 2B IS AN ENLARGEMENT OF FIG. 2A)

THICKNESS OF THE LINE REPRESENTING CRYSTAL GRAIN  
BOUNDARIES INDICATES DIFFERENCE IN ORIENTATION  
WITH THE NEIGHBORING CRYSTAL GRAINS.

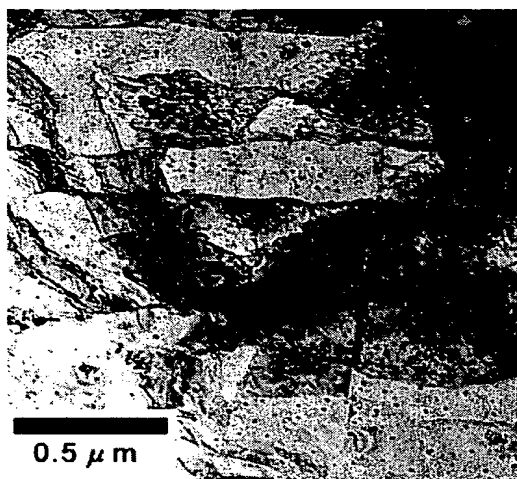
	Min	Max	Fraction
—	2°	5°	0.074
—	5°	15°	0.051
—	15°	30°	0.049
—	30°	60°	0.278

FIG. 3A



9.00  $\mu\text{m}$  = 45 steps

FIG. 3B



EXTRUDED MATERIAL

(FIG. 3A: STRUCTURE BY EBSP, FIG. 3B: STRUCTURE BY TEM)

600 °C x 1h → EXTRUSION (500 °C, EXTRUSION RATIO: 7) → 500 °C x 1h

THICKNESS OF THE LINE REPRESENTING CRYSTAL GRAIN BOUNDARIES INDICATES DIFFERENCE IN ORIENTATION WITH THE NEIGHBORING CRYSTAL GRAINS.

	Min	Max	Fraction
—	2°	5°	0.074
—	5°	15°	0.051
—	15°	30°	0.049
—	30°	60°	0.278